## APPENDIX G SOIL TYPES FOR THE BADGER WIND PROJECT

Table H-1: Soil Types for the Badger Wind Project

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Map Unit	Soil Name	Study Area		Project Area		Formland Designation	Hudria Cail	K Faster	Wind Erodibility	Slope Range
Name	Soil Name	Acres	%	Acres	%	Farmland Designation	Hydric Soil	K-Factor	Group	Slope Kange
C131C	Williams loam, 6 to 9 percent slopes	6,028.4	4.8%	866.8	2.8%	Farmland of statewide importance	No	.32	6	6–9
C132B	Williams-Zahl loams, 3 to 6 percent slopes	406.1	0.3%	-	-	Farmland of statewide importance	No	.32	4L	3–6
C132B	Williams-Zahl loams, 3 to 6 percent slopes	956.4	0.8%	461.7	1.5%	Farmland of statewide importance	No	.32	6	3–6
C135C	Zahl-Williams-Zahill complex, 6 to 9 percent slopes	2,681.7	2.1%	1,574.6	5.0%	Not prime farmland	No	.37	4L	6–9
C135C	Zahl-Williams-Zahill complex, 6 to 9 percent slopes	722.5	0.6%	316.4	1.0%	Not prime farmland	No	.32	6	6–9
C135D	Zahl-Williams loams, 9 to 15 percent slopes	3,999.7	3.2%	2,124.7	6.7%	Not prime farmland	No	.37	4L	9–15
C135D	Zahl-Williams loams, 9 to 15 percent slopes	2,222.5	1.8%	464.6	1.5%	Not prime farmland	No	.37	6	9–15
C148C	Williams-Zahl-Parnell complex, 0 to 9 percent slopes	173.2	0.1%	83.5	0.3%	Not prime farmland	No	.37	4L	6–9
C153E	Zahl-Max loams, 15 to 25 percent slopes	8.0	0.0%	-	-	Not prime farmland	No	.24	4L	15–25
C153E	Zahl-Max loams, 15 to 25 percent slopes	26.6	0.0%	-	-	Not prime farmland	No	.37	4L	15–25
C155F	Zahl-Max-Arnegard loams, 15 to 60 percent slopes	1,220.9	1.0%	236.2	0.7%	Not prime farmland	No	.28	6	15–25
C156F	Zahl-Max-Bowbells loams, 6 to 35 percent slopes	965.8	0.8%	395.4	1.3%	Not prime farmland	No	.32	6	6–9
C156F	Zahl-Max-Bowbells loams, 6 to 35 percent slopes	608.2	0.5%	143.3	0.5%	Not prime farmland	No	.32	4L	15–35
C162F	Max-Zahl-Arnegard complex, 9 to 35 percent slopes, very stony	2,481.1	2.0%	1,377.7	4.4%	Not prime farmland	No	.24	4L	9–35
C162F	Max-Zahl-Arnegard complex, 9 to 35 percent slopes, very stony	175.8	0.1%	10.1	0.0%	Not prime farmland	No	.32	4L	9–35
C190C	Bearpaw loam, 6 to 9 percent slopes	11.2	0.0%	-	-	Farmland of statewide importance	No	.28	6	6–9
C194A	Bearpaw-Zeeland loams, 0 to 3 percent slopes	47.4	0.0%	-	-	Farmland of statewide importance	No	.32	6	0–3
C194B	Bearpaw-Zeeland loams, 3 to 6 percent slopes	86.2	0.1%	-	-	Farmland of statewide importance	No	.28	6	3–6
C210A	Williams-Bowbells loams, 0 to 3 percent slopes	2,375.1	1.9%	22.0	0.1%	Farmland of statewide importance	No	.24	6	0–3
C210A	Williams-Bowbells loams, 0 to 3 percent slopes	516.2	0.4%	455.8	1.4%	Farmland of statewide importance	No	.28	6	0–3
C210B	Williams-Bowbells loams, 3 to 6 percent slopes	12,280.1	9.7%	2,520.3	8.0%	Farmland of statewide importance	No	.24	6	3–6
C21A	Vallers loam, 0 to 1 percent slopes	65.1	0.1%	6.9	0.0%	Prime farmland if drained	Yes	.20	4L	0–1
C270A	Hamerly loam, 0 to 3 percent slopes	209.1	0.2%	34.9	0.1%	All areas are prime farmland	No	.32	4L	0–3
C276A	Hamerly-Tonka-Parnell complex, 0 to 3 percent slopes	17.2	0.0%	9.0	0.0%	Not prime farmland	No	.20	4L	0–3
C276A	Hamerly-Tonka-Parnell complex, 0 to 3 percent slopes	95.8	0.1%	27.0	0.1%	Not prime farmland	No	.32	4L	0–3
C317B	Lihen-Telfer loamy fine sands, 0 to 6 percent slopes	40.2	0.0%	38.4	0.1%	Not prime farmland	No	.05	2	0–6
C317B	Lihen-Telfer loamy fine sands, 0 to 6 percent slopes	132.9	0.1%	4.5	0.0%	Not prime farmland	No	.02	2	2–6
C317C	Lihen-Telfer loamy fine sands, 6 to 9 percent slopes	67.0	0.1%	11.9	0.0%	Not prime farmland	No	.05	2	6–9
C337D	Telfer-Lihen loamy fine sands, 9 to 15 percent slopes	17.6	0.0%	1.0	0.0%	Not prime farmland	No	.02	2	9–15
C350A	Flaxton fine sandy loam, 0 to 3 percent slopes	59.6	0.0%	-	-	Farmland of statewide importance	No	.28	3	0–3
C350B	Flaxton fine sandy loam, 3 to 6 percent slopes	92.4	0.1%	-	-	Farmland of statewide importance	No	.10	3	3–6
C356B	Flaxton-Williams complex, 0 to 6 percent slopes	62.3	0.0%	35.1	0.1%	Farmland of statewide importance	No	.37	6	3–6
C356C	Flaxton-Williams complex, 6 to 9 percent slopes	65.8	0.1%	24.9	0.1%	Not prime farmland	No	.24	6	6–9
C3A	Parnell silty clay loam, 0 to 1 percent slopes	195.7	0.2%	106.8	0.3%	Not prime farmland	Yes	.28	6	0–1
C3A	Parnell silty clay loam, 0 to 1 percent slopes	152.5	0.1%	7.9	0.0%	Not prime farmland	Yes	.32	6	0–1

Map Unit	C. II.N.	Study Area		Project Area					Wind Erodibility	Claus Bausa
Name	Soil Name	Acres	%	Acres	%	Farmland Designation	Hydric Soil	K-Factor	Group	Slope Range
C403A	Tansem-Makoti complex, 0 to 2 percent slopes	26.9	0.0%	-	-	All areas are prime farmland	No	.32	6	0–2
C403B	Tansem-Makoti complex, 2 to 6 percent slopes	233.8	0.2%	110.1	0.3%	All areas are prime farmland	No	.37	6	2–6
C406B	Makoti-Sakakawea complex, 2 to 6 percent slopes	44.3	0.0%	9.0	0.0%	All areas are prime farmland	No	.32	6	2–6
C409B	Sakakawea silty clay loam, 2 to 6 percent slopes	6.3	0.0%	-	-	Not prime farmland	No	.55	4L	2–6
C411A	Makoti silty clay loam, 0 to 2 percent slopes	25.5	0.0%	4.9	0.0%	All areas are prime farmland	No	.32	6	0–2
C416A	Farnuf loam, 0 to 2 percent slopes	338.6	0.3%	16.0	0.1%	Farmland of statewide importance	No	.32	6	0–2
C416A	Farnuf loam, 0 to 2 percent slopes	42.0	0.0%	29.0	0.1%	Farmland of statewide importance	No	.37	6	0–2
C419A	Wildrose silty clay, 0 to 2 percent slopes	7.3	0.0%	-	-	All areas are prime farmland	No	.17	4	0–2
C451A	Arnegard loam, 0 to 2 percent slopes	368.7	0.3%	268.7	0.9%	All areas are prime farmland	No	.20	6	0–2
C451A	Arnegard loam, 0 to 2 percent slopes	458.9	0.4%	51.8	0.2%	All areas are prime farmland	No	.28	6	0–2
C451B	Arnegard loam, 2 to 6 percent slopes	2,202.0	1.7%	331.1	1.1%	All areas are prime farmland	No	.20	6	2–6
C451B	Arnegard loam, 2 to 6 percent slopes	837.6	0.7%	489.4	1.6%	All areas are prime farmland	No	.28	6	2–6
C471A	Grail silty clay loam, 0 to 2 percent slopes	175.9	0.1%	30.8	0.1%	All areas are prime farmland	No	.28	6	0–2
C471B	Grail silty clay loam, 2 to 6 percent slopes	767.8	0.6%	77.3	0.2%	All areas are prime farmland	No	.28	6	2–6
C50A	Lowe-Fluvaquents channeled, complex, 0 to 2 percent slopes, flooded	40.4	0.0%	10.5	0.0%	Not prime farmland	Yes	.17	4L	0–2
C524A	Daglum-Belfield complex, 0 to 2 percent slopes	3,149.7	2.5%	262.0	0.8%	Not prime farmland	No	.32	5	0–2
C524A	Daglum-Belfield complex, 0 to 2 percent slopes	189.3	0.2%	123.8	0.4%	Not prime farmland	No	.49	5	0–2
C54A	Lowe loam, 0 to 2 percent slopes, occasionally flooded	352.7	0.3%	106.1	0.3%	Not prime farmland	Yes	.17	4L	0–2
C54A	Lowe loam, 0 to 2 percent slopes, occasionally flooded	167.7	0.1%	137.7	0.4%	Not prime farmland	Yes	.24	4L	0–2
C580A	Harriet-Regan-Stirum complex, 0 to 2 percent slopes, occasionally flooded	922.6	0.7%	826.4	2.6%	Not prime farmland	Yes	.28	4L	0–2
C580A	Harriet-Regan-Stirum complex, 0 to 2 percent slopes, occasionally flooded	131.9	0.1%	24.6	0.1%	Not prime farmland	Yes	.37	4L	0–2
C584A	Harriet loam, 0 to 2 percent slopes	2,559.1	2.0%	226.8	0.7%	Not prime farmland	Yes	.32	6	0–2
C591C	Rhoades-Daglum complex, 2 to 9 percent slopes	70.5	0.1%	60.4	0.2%	Not prime farmland	No	.37	5	2–9
C591C	Rhoades-Daglum complex, 2 to 9 percent slopes	95.8	0.1%	-	-	Not prime farmland	No	.43	5	2–9
C5A	Southam silty clay loam, 0 to 1 percent slopes	102.0	0.1%	19.5	0.1%	Not prime farmland	Yes	.28	8	0-1
C665B	Noonan-Niobell-Williams loams, 0 to 6 percent slopes	418.1	0.3%	130.5	0.4%	Not prime farmland	No	.32	6	0–6
C667B	Williams-Niobell loams, 3 to 6 percent slopes	167.8	0.1%	6.4	0.0%	Farmland of statewide importance	No	.24	6	3–6
C73A	Hamerly-Vallers loams, moderately saline, 0 to 3 percent slopes	850.4	0.7%	265.4	0.8%	Not prime farmland	No	.24	4L	0–3
C751A	Parshall fine sandy loam, 0 to 2 percent slopes	189.2	0.2%	30.1	0.1%	Farmland of statewide importance	No	.02	3	0–2
C751A	Parshall fine sandy loam, 0 to 2 percent slopes	4.3	0.0%	-	-	Farmland of statewide importance	No	.20	3	0–2
C800B	Appam sandy loam, 2 to 6 percent slopes	110.0	0.1%	89.6	0.3%	Not prime farmland	No	.15	3	2–6
C800B	Appam sandy loam, 2 to 6 percent slopes	81.0	0.1%	13.1	0.0%	Not prime farmland	No	.17	3	2–6
C814A	Bowdle-Lehr loams, 0 to 2 percent slopes	12,261.8	9.7%	548.4	1.7%	Not prime farmland	No	.02	5	0–2
C814A	Bowdle-Lehr loams, 0 to 2 percent slopes	2,236.1	1.8%	1,564.6	5.0%	Not prime farmland	No	.24	5	0–2
C817B	Lehr-Bowdle loams, 2 to 6 percent slopes	4,399.7	3.5%	1,287.8	4.1%	Not prime farmland	No	.02	5	2–6
C825A	Divide loam, 0 to 2 percent slopes	1,926.5	1.5%	52.9	0.2%	Not prime farmland	No	.02	4L	0–2

Map Unit		Study Area		Project Area					Wind Erodibility	Clara Para
Name	Soil Name	Acres	%	Acres	%	Farmland Designation	Hydric Soil	K-Factor	Group	Slope Range
C825A	Divide loam, 0 to 2 percent slopes	74.6	0.1%	59.3	0.2%	Not prime farmland	No	.28	4L	0–2
C829A	Marysland loam, 0 to 1 percent slopes	780.0	0.6%	158.4	0.5%	Not prime farmland	Yes	.20	4L	0–1
C840B	Manning fine sandy loam, 0 to 6 percent slopes	9.9	0.0%	5.3	0.0%	Not prime farmland	No	.02	3	0–6
C840B	Manning fine sandy loam, 0 to 6 percent slopes	195.5	0.2%	-	-	Not prime farmland	No	.24	3	0–6
C860B	Schaller loamy sand, 0 to 6 percent slopes	5.2	0.0%	-	-	Not prime farmland	No	.02	2	0–6
C860B	Schaller loamy sand, 0 to 6 percent slopes	22.4	0.0%	22.4	0.1%	Not prime farmland	No	.10	2	0–6
C860D	Schaller loamy sand, 6 to 15 percent slopes	112.5	0.1%	107.3	0.3%	Not prime farmland	No	.02	2	6–15
C860D	Schaller loamy sand, 6 to 15 percent slopes	24.0	0.0%	8.6	0.0%	Not prime farmland	No	.10	2	6–15
C870E	Wabek-Lehr-Appam complex, 9 to 25 percent slopes	1,799.7	1.4%	392.2	1.2%	Not prime farmland	No	.02	5	9–25
C870E	Wabek-Lehr-Appam complex, 9 to 25 percent slopes	1,928.8	1.5%	1,383.6	4.4%	Not prime farmland	No	.32	5	9–25
C874B	Wabek-Appam complex, 2 to 6 percent slopes	375.0	0.3%	26.2	0.1%	Not prime farmland	No	.02	3	2–6
C874B	Wabek-Appam complex, 2 to 6 percent slopes	150.5	0.1%	95.4	0.3%	Not prime farmland	No	.02	5	2–6
C874C	Wabek-Appam complex, 6 to 9 percent slopes	1,048.4	0.8%	117.0	0.4%	Not prime farmland	No	.02	3	6–9
C874C	Wabek-Appam complex, 6 to 9 percent slopes	441.6	0.4%	289.5	0.9%	Not prime farmland	No	.15	3	6–9
C877B	Wabek-Lehr complex, 2 to 6 percent slopes	1,492.0	1.2%	1,068.8	3.4%	Not prime farmland	No	.02	6	2–6
C877B	Wabek-Lehr complex, 2 to 6 percent slopes	5,404.2	4.3%	506.8	1.6%	Not prime farmland	No	.17	6	2–6
C901A	Amor-Arnegard loams, 0 to 3 percent slopes	3.2	0.0%	3.2	0.0%	Farmland of statewide importance	No	.28	6	0–2
C901A	Amor-Arnegard loams, 0 to 3 percent slopes	443.8	0.4%	5.2	0.0%	Farmland of statewide importance	No	.37	6	0–3
C902B	Amor-Cabba loams, 3 to 6 percent slopes	213.9	0.2%	112.8	0.4%	Farmland of statewide importance	No	.37	6	3–6
C902C	Amor-Cabba loams, 6 to 9 percent slopes	2,373.9	1.9%	464.9	1.5%	Not prime farmland	No	-	6	6–9
C902C	Amor-Cabba loams, 6 to 9 percent slopes	767.6	0.6%	425.6	1.4%	Not prime farmland	No	.28	6	6–9
C903D	Amor-Werner loams, 9 to 15 percent slopes	1,021.8	0.8%	343.9	1.1%	Not prime farmland	No	.28	6	9–15
C903D	Amor-Werner loams, 9 to 15 percent slopes	506.8	0.4%	216.6	0.7%	Not prime farmland	No	.32	6	9–15
C913A	Felor loam, 0 to 2 percent slopes	632.9	0.5%	-	-	Farmland of statewide importance	No	.28	6	0–2
C915A	Reeder-Arnegard loams, 0 to 3 percent slopes	666.4	0.5%	175.2	0.6%	Farmland of statewide importance	No	.20	6	0–2
C915B	Reeder-Arnegard loams, 3 to 6 percent slopes	1,374.4	1.1%	750.4	2.4%	Farmland of statewide importance	No	.24	6	3–6
C915B	Reeder-Arnegard loams, 3 to 6 percent slopes	5,142.6	4.1%	716.6	2.3%	Farmland of statewide importance	No	.28	6	3–6
C953F	Flasher-Vebar-Parshall complex, 15 to 50 percent slopes	12.0	0.0%	-	-	Not prime farmland	No	.15	3	15–25
C953F	Flasher-Vebar-Parshall complex, 15 to 50 percent slopes	148.8	0.1%	68.3	0.2%	Not prime farmland	No	.20	3	15–25
C954A	Regent-Savage silty clay loams, 0 to 3 percent slopes	236.8	0.2%	16.3	0.1%	Farmland of statewide importance	No	.37	6	0–2
C954B	Regent-Savage silty clay loams, 3 to 6 percent slopes	2,413.3	1.9%	114.0	0.4%	Farmland of statewide importance	No	.32	6	3–6
C954B	Regent-Savage silty clay loams, 3 to 6 percent slopes	306.0	0.2%	125.5	0.4%	Farmland of statewide importance	No	.37	6	3–6
C956A	Vebar fine sandy loam, 0 to 3 percent slopes	474.7	0.4%	88.9	0.3%	Farmland of statewide importance	No	.20	3	0–3
C956B	Vebar fine sandy loam, 3 to 6 percent slopes	923.7	0.7%	273.2	0.9%	Farmland of statewide importance	No	.15	3	3–6
C956B	Vebar fine sandy loam, 3 to 6 percent slopes	147.1	0.1%	99.4	0.3%	Farmland of statewide importance	No	.20	3	3–6
C962F	Werner-Amor-Arnegard loams, 9 to 50 percent slopes	15.4	0.0%	-	-	Not prime farmland	No	-	6	9–25

Name     Name     Acres	9-25 6-9 6-9 9-15 9-15 0-60 - 0-2 0-6 6-9 0-2 2-6
C977C   Vebar-Cohagen fine sandy loams, 6 to 9 percent slopes   153.1   0.1%   50.1   0.2%   Not prime farmland   No   -2   3	6-9 6-9 9-15 9-15 0-60 - 0-2 0-6 6-9 0-2 2-6
C977C   Vebar-Cohagen fine sandly loams, 6 to 9 percent slopes   944.0   0.7%   256.9   0.8%   Not prime farmland   No   .24   3	6-9 9-15 9-15 0-60 - 0-2 0-6 6-9 0-2 2-6
C978D   Vebar-Flasher complex, 9 to 15 percent slopes   71.0   0.1%   21.5   0.1%   Not prime farmland   No   -   3	9-15 9-15 0-60 - 0-2 0-6 6-9 0-2 2-6
C978D   Vebar-Flasher complex, 9 to 15 percent slopes   392.1   0.3%   208.6   0.7%   Not prime farmland   No   .24   3	9-15 0-60 - 0-2 0-6 6-9 0-2 2-6
C990F   Pits, gravel and sand, 0 to 60 percent slopes   58.1   0.0%   18.5   0.1%   Not prime farmland   No   .02   5	0-60 - 0-2 0-6 6-9 0-2 2-6
C996   Water	- 0-2 0-6 6-9 0-2 2-6
E0445A   Daglum-Belfield loams, 0 to 2 percent slopes   162.8   0.1%   67.2   0.2%   Not prime farmland   No   .32   6	0-6 6-9 0-2 2-6
E0515B   Rhoades-Daglum complex, 0 to 6 percent slopes   75.7   0.1%   3.5   0.0%   Not prime farmland   No   .32   6	0-6 6-9 0-2 2-6
E0515C   Rhoades-Daglum complex, 6 to 9 percent slopes   49.4   0.0%   5.6   0.0%   Not prime farmland   No   .43   6   E0807A   Grail silty clay loam, till, 0 to 2 percent slopes   13.3   0.0%   -   -   All areas are prime farmland   No   .32   6   E0807B   Grail silty clay loam, till, 2 to 6 percent slopes   188.1   0.1%   45.1   0.1%   All areas are prime farmland   No   .32   6   E0807B   Regent-Savage silty clay loams, 3 to 6 percent slopes   622.0   0.5%   207.3   0.7%   Farmland of statewide importance   No   -   6   E1301F   Cohagen-Vebar-Parshall fine sandy loams, 9 to 35 percent slopes   579.5   0.5%   125.7   0.4%   Not prime farmland   No   .24   3   E1333C   Vebar-Cohagen fine sandy loams, 6 to 9 percent slopes   1,607.1   1.3%   61.2   0.2%   Not prime farmland   No   .24   3   E1607D   Telfer-Parshall-Vebar complex, 6 to 15 percent slopes   46.4   0.0%   -     Not prime farmland   No   .24   3   E1625B   Vebar-Parshall fine sandy loams, 3 to 6 percent slopes   856.5   0.7%   109.8   0.3%   Farmland of statewide importance   No   .20   3   E1823A   Parshall fine sandy loams, 3 to 6 percent slopes   122.6   0.1%   16.5   0.1%   Farmland of statewide importance   No   .20   3   E1875B   Telfer loamy fine sandy, 0 to 2 percent slopes   810.2   0.6%   290.2   0.9%   All areas are prime farmland   No   .20   2   E2107B   Arnegard loam, 2 to 6 percent slopes   810.2   0.6%   290.2   0.9%   All areas are prime farmland   No   .20   2   E2107B   Arnegard loam, 2 to 6 percent slopes   840.1   0.7%   112.1   0.4%   Farmland of statewide importance   No   .20   2   E2107B   Arnegard loam, 2 to 6 percent slopes   840.1   0.7%   112.1   0.4%   Farmland of statewide importance   No   .28   6   E2607D   Amor-Werner loams, 3 to 6 percent slopes   2,174.0   1.7%   837.5   2.7%   Not prime farmland   No   .43   6   E2607D   Amor-Werner loams, 3 to 6 percent slopes   2,174.0   1.7%   837.5   2.7%   Not prime farmland   No   .32   6   E2607D   Amor-Werner-Farnuf loams, 6 to 9 percent slopes   2,115.5   1.7%   793.6	6–9 0–2 2–6
E0807A   Grail silty clay loam, till, 0 to 2 percent slopes   13.3   0.0%   -   -   All areas are prime farmland   No   .32   6	0–2 2–6
E0807B   Grail silty clay loam, till, 2 to 6 percent slopes   188.1   0.1%   45.1   0.1%   All areas are prime farmland   No   .32   6	2–6
E1025B         Regent-Savage silty clay loams, 3 to 6 percent slopes         622.0         0.5%         207.3         0.7%         Farmland of statewide importance         No         -         6           E1301F         Cohagen-Vebar-Parshall fine sandy loams, 9 to 35 percent slopes         579.5         0.5%         125.7         0.4%         Not prime farmland         No         .24         3           E1333C         Vebar-Cohagen fine sandy loams, 9 to 15 percent slopes         1,607.1         1.3%         61.2         0.2%         Not prime farmland         No         .24         3           E1333D         Vebar-Cohagen fine sandy loams, 9 to 15 percent slopes         2,705.4         2.1%         135.0         0.4%         Not prime farmland         No         .24         3           E1607D         Telfer-Parshall fine sandy loams, 9 to 15 percent slopes         46.4         0.0%         -         -         Not prime farmland         No         .24         3           E1625B         Vebar-Parshall fine sandy loams, 3 to 6 percent slopes         856.5         0.7%         109.8         0.3%         Farmland of statewide importance         No         .20         3           E1823A         Parshall fine sandy loam, 0 to 2 percent slopes         78.2         0.1%         16.5         0.1%         Farmland	
E1301F Cohagen-Vebar-Parshall fine sandy loams, 9 to 35 percent slopes 579.5 0.5% 125.7 0.4% Not prime farmland No .24 3 E1333C Vebar-Cohagen fine sandy loams, 6 to 9 percent slopes 1,607.1 1.3% 61.2 0.2% Not prime farmland No .24 3 E1333D Vebar-Cohagen fine sandy loams, 9 to 15 percent slopes 2,705.4 2.1% 135.0 0.4% Not prime farmland No .24 3 E1607D Telfer-Parshall-Vebar complex, 6 to 15 percent slopes 46.4 0.0% Not prime farmland No .24 3 E1625B Vebar-Parshall fine sandy loams, 3 to 6 percent slopes 856.5 0.7% 109.8 0.3% Farmland of statewide importance No .20 3 E1823A Parshall fine sandy loam, 0 to 2 percent slopes 122.6 0.1% 16.5 0.1% Farmland of statewide importance No .20 3 E1875B Telfer loamy fine sand, 0 to 6 percent slopes 78.2 0.1% - Not prime farmland No .20 2 E2107B Arnegard loam, 2 to 6 percent slopes 810.2 0.6% 290.2 0.9% All areas are prime farmland No .32 6 E2120A Farnuf loam, 0 to 2 percent slopes 118.6 0.1% 1.0 0.0% Farmland of statewide importance No .32 6 E2607B Amor-Werner loams, 3 to 6 percent slopes 2,174.0 1.7% 837.5 2.7% Not prime farmland No .43 6 E2609C Amor-Werner-Farnuf loams, 6 to 9 percent slopes 2,115.5 1.7% 793.6 2.5% Not prime farmland No .32 6	2.6
E1333C   Vebar-Cohagen fine sandy loams, 6 to 9 percent slopes   1,607.1   1.3%   61.2   0.2%   Not prime farmland   No   .24   3	3–6
E1333D         Vebar-Cohagen fine sandy loams, 9 to 15 percent slopes         2,705.4         2.1%         135.0         0.4%         Not prime farmland         No         .24         3           E1607D         Telfer-Parshall-Vebar complex, 6 to 15 percent slopes         46.4         0.0%         -         -         Not prime farmland         No         .24         3           E1625B         Vebar-Parshall fine sandy loams, 3 to 6 percent slopes         856.5         0.7%         109.8         0.3%         Farmland of statewide importance         No         .20         3           E1823A         Parshall fine sandy loam, 0 to 2 percent slopes         122.6         0.1%         16.5         0.1%         Farmland of statewide importance         No         .20         3           E1875B         Telfer loamy fine sand, 0 to 6 percent slopes         78.2         0.1%         -         -         Not prime farmland         No         .20         2           E2107B         Arnegard loam, 2 to 6 percent slopes         810.2         0.6%         290.2         0.9%         All areas are prime farmland         No         .32         6           E2120A         Farmuf loam, 0 to 2 percent slopes         118.6         0.1%         1.0         0.0%         Farmland of statewide importance         No	15–35
E1607D         Telfer-Parshall-Vebar complex, 6 to 15 percent slopes         46.4         0.0%         -         -         Not prime farmland         No         .24         3           E1625B         Vebar-Parshall fine sandy loams, 3 to 6 percent slopes         856.5         0.7%         109.8         0.3%         Farmland of statewide importance         No         .20         3           E1823A         Parshall fine sandy loam, 0 to 2 percent slopes         122.6         0.1%         16.5         0.1%         Farmland of statewide importance         No         .20         3           E1875B         Telfer loamy fine sand, 0 to 6 percent slopes         78.2         0.1%         -         Not prime farmland         No         .20         2           E2107B         Arnegard loam, 2 to 6 percent slopes         810.2         0.6%         290.2         0.9%         All areas are prime farmland         No         .32         6           E2120A         Farnuf loam, 0 to 2 percent slopes         118.6         0.1%         1.0         0.0%         Farmland of statewide importance         No         .32         6           E2607B         Amor-Werner loams, 3 to 6 percent slopes         840.1         0.7%         121.2         0.4%         Farmland of statewide importance         No         .28	6–9
E1625B         Vebar-Parshall fine sandy loams, 3 to 6 percent slopes         856.5         0.7%         109.8         0.3%         Farmland of statewide importance         No         .20         3           E1823A         Parshall fine sandy loam, 0 to 2 percent slopes         122.6         0.1%         16.5         0.1%         Farmland of statewide importance         No         .20         3           E1875B         Telfer loamy fine sand, 0 to 6 percent slopes         78.2         0.1%         -         -         Not prime farmland         No         .20         2           E2107B         Arnegard loam, 2 to 6 percent slopes         810.2         0.6%         290.2         0.9%         All areas are prime farmland         No         .32         6           E2120A         Farnuf loam, 0 to 2 percent slopes         118.6         0.1%         1.0         0.0%         Farmland of statewide importance         No         .32         6           E2607B         Amor-Werner loams, 3 to 6 percent slopes         840.1         0.7%         121.2         0.4%         Farmland of statewide importance         No         .28         6           E2607D         Amor-Werner loams, 9 to 15 percent slopes         2,174.0         1.7%         837.5         2.7%         Not prime farmland         No <td< td=""><td>9–15</td></td<>	9–15
E1823A         Parshall fine sandy loam, 0 to 2 percent slopes         122.6         0.1%         16.5         0.1%         Farmland of statewide importance         No         .20         3           E1875B         Telfer loamy fine sand, 0 to 6 percent slopes         78.2         0.1%         -         -         Not prime farmland         No         .20         2           E2107B         Arnegard loam, 2 to 6 percent slopes         810.2         0.6%         290.2         0.9%         All areas are prime farmland         No         .32         6           E2120A         Farnuf loam, 0 to 2 percent slopes         118.6         0.1%         1.0         0.0%         Farmland of statewide importance         No         .32         6           E2607B         Amor-Werner loams, 3 to 6 percent slopes         840.1         0.7%         121.2         0.4%         Farmland of statewide importance         No         .28         6           E2607D         Amor-Werner loams, 9 to 15 percent slopes         2,174.0         1.7%         837.5         2.7%         Not prime farmland         No         .43         6           E2609C         Amor-Werner-Farnuf loams, 6 to 9 percent slopes         2,115.5         1.7%         793.6         2.5%         Not prime farmland         No         .32         <	6–9
E1875B         Telfer loamy fine sand, 0 to 6 percent slopes         78.2         0.1%         -         -         Not prime farmland         No         .20         2           E2107B         Arnegard loam, 2 to 6 percent slopes         810.2         0.6%         290.2         0.9%         All areas are prime farmland         No         .32         6           E2120A         Farnuf loam, 0 to 2 percent slopes         118.6         0.1%         1.0         0.0%         Farmland of statewide importance         No         .32         6           E2607B         Amor-Werner loams, 3 to 6 percent slopes         840.1         0.7%         121.2         0.4%         Farmland of statewide importance         No         .28         6           E2607D         Amor-Werner loams, 9 to 15 percent slopes         2,174.0         1.7%         837.5         2.7%         Not prime farmland         No         .43         6           E2609C         Amor-Werner-Farnuf loams, 6 to 9 percent slopes         2,115.5         1.7%         793.6         2.5%         Not prime farmland         No         .32         6	3–6
E2107B         Arnegard loam, 2 to 6 percent slopes         810.2         0.6%         290.2         0.9%         All areas are prime farmland         No         .32         6           E2120A         Farnuf loam, 0 to 2 percent slopes         118.6         0.1%         1.0         0.0%         Farmland of statewide importance         No         .32         6           E2607B         Amor-Werner loams, 3 to 6 percent slopes         840.1         0.7%         121.2         0.4%         Farmland of statewide importance         No         .28         6           E2607D         Amor-Werner loams, 9 to 15 percent slopes         2,174.0         1.7%         837.5         2.7%         Not prime farmland         No         .43         6           E2609C         Amor-Werner-Farnuf loams, 6 to 9 percent slopes         2,115.5         1.7%         793.6         2.5%         Not prime farmland         No         .32         6	0–2
E2120A         Farnuf loam, 0 to 2 percent slopes         118.6         0.1%         1.0         0.0%         Farmland of statewide importance         No         .32         6           E2607B         Amor-Werner loams, 3 to 6 percent slopes         840.1         0.7%         121.2         0.4%         Farmland of statewide importance         No         .28         6           E2607D         Amor-Werner loams, 9 to 15 percent slopes         2,174.0         1.7%         837.5         2.7%         Not prime farmland         No         .43         6           E2609C         Amor-Werner-Farnuf loams, 6 to 9 percent slopes         2,115.5         1.7%         793.6         2.5%         Not prime farmland         No         .32         6	0–6
E2607B         Amor-Werner loams, 3 to 6 percent slopes         840.1         0.7%         121.2         0.4%         Farmland of statewide importance         No         .28         6           E2607D         Amor-Werner loams, 9 to 15 percent slopes         2,174.0         1.7%         837.5         2.7%         Not prime farmland         No         .43         6           E2609C         Amor-Werner-Farnuf loams, 6 to 9 percent slopes         2,115.5         1.7%         793.6         2.5%         Not prime farmland         No         .32         6	2–6
E2607D         Amor-Werner loams, 9 to 15 percent slopes         2,174.0         1.7%         837.5         2.7%         Not prime farmland         No         .43         6           E2609C         Amor-Werner-Farnuf loams, 6 to 9 percent slopes         2,115.5         1.7%         793.6         2.5%         Not prime farmland         No         .32         6	0–2
E2609C Amor-Werner-Farnuf loams, 6 to 9 percent slopes 2,115.5 1.7% 793.6 2.5% Not prime farmland No .32 6	3–6
	9–15
	6–9
E2651F Werner-Amor-Arnegard loams, 9 to 50 percent slopes 748.1 0.6% 236.5 0.8% Not prime farmland No .24 6	9–25
E2801A Amor-Arnegard loams, 0 to 3 percent slopes 121.9 0.1% 8.1 0.0% Farmland of statewide importance No .32 6	0–2
E2819B Reeder-Farnuf loams, 3 to 6 percent slopes 1,108.2 0.9% 600.8 1.9% Farmland of statewide importance No .24 6	3–6
E3527B Williams-Bowbells loams, 3 to 6 percent slopes 19.7 0.0% 9.8 0.0% Farmland of statewide importance No .37 6	3–6
E3531C Williams loam, 6 to 9 percent slopes 54.3 0.0% 47.2 0.1% Farmland of statewide importance No .28 6	6–9
E3555D Zahl-Williams loams, 9 to 15 percent slopes 137.8 0.1% 57.2 0.2% Not prime farmland No .28 6	9–15
E3567F Zahl-Max loams, dissected, 15 to 45 percent slopes 112.6 0.1% 48.6 0.2% Not prime farmland No .37 4L	15–45
E4005A Harriet loam, 0 to 2 percent slopes, occasionally flooded 684.7 0.5% 4.0 0.0% Not prime farmland Yes .37 6	0–2
E4541A         Bowdle-Lehr loams, 0 to 2 percent slopes         167.2         0.1%         18.5         0.1%         Not prime farmland         No         .28         5	0–2
E4542B         Lehr-Bowdle loams, 2 to 6 percent slopes         163.1         0.1%         53.4         0.2%         Not prime farmland         No         .20         5	
E4549B         Wabek-Lehr complex, 2 to 6 percent slopes         30.4         0.0%         26.1         0.1%         Not prime farmland         No         .24         5	2–6

Badger Wind, LLC
Application for a Certificate of Site Compatibility
Appendix G: Soil Types for the Badger Wind Project

Map Unit	Soil Name	Study Area		Project Area		Formland Designation	Hudria Cail	V Footow	Wind Erodibility	Slone Bange
Name		Acres	%	Acres	%	Farmland Designation	Hydric Soil	K-Factor	Group	Slope Range
E4582B	Appam sandy loam, 2 to 6 percent slopes	19.2	0.0%	-	-	Not prime farmland	No	.15	3	2–6
E4583B	Wabek-Appam sandy loams, 2 to 6 percent slopes	9.8	0.0%	-	-	Not prime farmland	No	.10	3	2–6
E4583E	Wabek-Appam sandy loams, 6 to 25 percent slopes	305.1	0.2%	92.8	0.3%	Not prime farmland	No	.15	3	6–15
E4757A	Regan silt loam, 0 to 2 percent slopes, occasionally flooded	139.2	0.1%	41.9	0.1%	Not prime farmland	Yes	.32	4L	0–2
E4765A	Tonka-Hamerly complex, 0 to 3 percent slopes	33.1	0.0%	33.1	0.1%	Not prime farmland	No	.28	4L	0–3
E4767A	Regan silt loam, saline, 0 to 2 percent slopes, occasionally flooded	218.6	0.2%	15.6	0.0%	Not prime farmland	Yes	.43	4L	0–1
EW	Water	20.7	0.0%	19.9	0.1%	Not prime farmland	No	-	-	-
	Totals	125,954.2	100.0%	31,514.8	100.0%					

Source: